



## N THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Attorney Docket No: CC-0681

Paul Rothman et al.

Confirmation No. 5042

Serial No.: 10/720,599

Examiner:

Filed: November 24, 2003

Group Art Unit: 2855

Title: Method for Calibrating a Volumetric Flow Meter Having an Array of Sensors

Commissioner of Patent and Trademarks

Washington, D.C. 20231

## INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants submit herewith references in accordance with 37 CFR 1.56 and 37 CFR 1.97.

Also enclosed is form PTO1449 listing the cited references.

Please charge any additional fees or credit overpayment to Deposit Account No. 50-0260, Order No. CC-0681.

Respectfully submitted,

Robert D. Crawford

Registration No. 38,119

CiDRA Corporation 50 Barnes Park North Wallingford, CT 06492 Telephone: (203) 626-3502

ţ

Form PTO-	1449	U.S. Department of Commerce								Attorney Docket No.					Serial No.		
(Bev. 8-89)	Patent and Trademark Office						CC-068	CC-0681						10/720,599			
(O ) P &	ILE!																
										Applicant:							
APR 0 1 2005									Paul Rot	Paul Rothman et al.							
APR 0 1 2005  (Use several sheets if necessary)  U. S. PATI  Examiner Document Number																	
<b>.</b>	(Use se	veral shee	ts if	neces	ssar	y)				Filing Date: Group: 2855							
Эz			<u> </u>			November 24, 2003					Confirmation No. 5042						
PADEM			U	. S. P	A	TENT DOO	ENT DOCUMENTS										
2571411111111	D	ocun	ient l	Nun	ıber			Date	Date Name				ass	Subclass	Filing Date		
Initial																If	
							,						<u> </u>		<u> </u>	Appropriate	
		4	0	8	0	8	3	7			Alexan	der et al.	73		61.45		
		4	0	4	8	8	5	3	<del></del>		Smith 6		73		861.25		
		4	2	4	8	0	8	5			Coultha	ard	73		861.06		
		4	4	4	5	3	8	9	05/1984		Potzick	et al.	73		861.27		
		4	8	9	6	5	4	0	01/1990		Shakko	ttai et al.	73		861.02		
		5	0	4	0	4	1	5	08/1991		Barkho	udarian	73		861.03		
		5	0	8	3	4	5	2			Hope		73		61R		
		5	2	1	8	1	9	7			Carroll	•••	25		227.19		
		5	2	8	5	6	7	5			Colgate		73		23.2		
		5	3	6	7	9	1	1		_	Jewell		73		861.08		
		5	3	9	8	5	4	2	_		Vasbin		73		40.5		
	-	5	5	2	6	8	4	4		_	Kamen		13		614.11		
	_	5	5	2	4	4	7	<u>-</u> 5			Kolpak		73		19.03		
		5	5	9	1	9	2	2	<del></del>	_	Segeral		73		861.04		
		$\frac{3}{5}$	7	4	1	9	8	0			Hill et		73		861.04		
		5	17	7	6	8	0	5			Castel	aı.	73		861.04		
		5	17	7	0	8	0	$\frac{3}{6}$			Hiisma	1 <sub>r</sub> ;	73				
		5	8	3	5	8	-	4				KI	73		861.29		
				_	_		8			$\dashv$	Brown	1 -4 -1			861.04		
		5	8	4	5	0	3	3			Berthol		38		12		
	<b></b>	5	9	4	8	9	5	9		$\overline{}$	Peloqui	ın	73		1.83		
		6	0	1	6	7	0	2		$\rightarrow$	Maron		73		705		
		6	1	5	1	9	5	8		_	Letton		73		61.79		
		6	2	0	2	4	9	4		_	Ricbel		73		861.29		
		6	3	5	4	1	4	7		$\rightarrow$	Gysling		73		61.79		
		6	3	7	8	3	5	7	<del></del>	_	Han et		73		54.41		
		6	4	3	5	0	3	0			Gysling		73		587		
		6	4	6	3	8	1	3	10/2002	╛	Gysling	3	73		862.59		
		6	5	3	6	2	9	1			Gysling		73		861.42		
		6	5	5	0	3	4	2			Croteau		73		800		
		6	5	8	7	7	9	8	07/2003		Kersey		70	2	50		
Examiner		Docum	ument Number			Date			Country			Subclass	Translation			tion	
Initial								_		L			_ [		Yes/N		
	WO 99/067629 12/1999						99	T	WO	/O							
	WO	93/143		07/19	93	T	WO										

T	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  "Noise and Vibration Control Engineering Principles and Applications", Leo L. Beranek and Istvan L										
	Wiley Interscience Publication, pp. 537-541, Aug. 1992										
	"Two Decades of Array Signal Processing Research", The Parametric Approach", H. Krim and M. Viberg, IEEE Signal Processing Magazine, Jul., 1996, pp. 67-94										
	"Development of an array of pressure sensors with PVDF film, Experiments in Fluids 26", January 8, 1999, Springer-Verlag										
	"Viscous Attentuation of Acoustic Waves in Suspensions" by R.L. Gibson, Jr. and M.N. Toksoz										
Examiner	Date Considered										

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of the form with next communication to applicant.

Form PTO-1449  U.S. Department of Commerce Patent and Trademark Office								Attorney Docket No. CC-0681						Serial No. 10/720,599				
APR 0 1 2005 Information Disclosure Citation										Applicant: Paul Rothman et al.								
to at	se se	veral s	shee	ts if	nece	ssary	y)									Group: 2855		
RADEN	(RADEWITH U. S. PAT)														Confirmation No. 5042			
Examiner	1		Do	cum	ent l	Nun		. 13. 1	AI	Date		Name		Class	s Subclass Filing Date			
Initial																	If Appropriate	
			6	6	0	1	4	5	8	08/2003	3	Gyslin	g et al.	73	$\top$	861.04	1	
			6	6	0	9	0	6	9	08/2003	3	Gyslin		702		48		
			6	6	9	1	5	8	4	02/2004		Gyslin		73		861.42		
			6	7	3	2	5	7	5	05/2004		Gyslin		73	_	61.79		
	1		6	7	8	2	1	5	0	08/2004		Davis e		385	_	12		
			6	8	1	3	9	6	2	11/2004		Gyslin		73		861.26		
	<b>↓</b>		6	8	3	7	0	9	8	01/2005		Gyslin		73	$\overline{}$	61.79		
	2002		0	1	2	9	6	6	2	09/2002		Gyslin		73		861.42		
	2002		0	1	2	3	8	5	2	09/2002		Gyslin		702	_	100		
	2003		0	1	3	6	1	8	6	07/2003		Gyslin		73		64.53		
	2004		0	2	1	0	4	0	4	01/2004		Gyslin		702		50		
	2004		0	2	5	5	6	9	5	12/2004		Gyslin		73		862		
	2005		0	0	1	1	2	8	4	01/2005		Gyslin		73		861.44		
	2003		0	1	5	4	0	3	6	08/2003		Gyslin		702		25		
	2004		0	0	1	6	2	8	4	01/2004	${-}$	Gyslin		73		1.16		
	2004		0	2	1	0	4	0	4	10/2004	_	Gysling		702		50		
	2004		0	2	3	1	4	3	1	03/2004	-			73		861.42		
	2002		0 1 2 9		6 6		2	09/2002		Gysling et al.		73		861.42	<u> </u>			
	2003		0	0	3	8	2	3	1	02/2003	-	Bryant	et al.	250	+	227.14	-	
				ļ	<b> </b>	-	<del> </del>	<u> </u>			_			ļ	+			
	-		ļ	<b>-</b>	<b> </b>	ļ	ļ	<b> </b>			_			<u> </u>	+			
	<del></del> -			<del> </del>	├			-	$\vdash$		$\dashv$			<del>                                     </del>	+			
	<del> </del>			<del> </del>	├		-	├			+			<u> </u>	+			
	+			$\vdash$	<del>                                     </del>	<del> </del>	┼	├	ļ		-			1	$\dashv$		ļ	
	}			1	-	-	ļ		ļ	ļ				<del> </del>			<u> </u>	
<del></del>	+			<u> </u>				-		<u> </u>	$\dashv$				+			
	+			╁	-		+	-	┝		$\dashv$				$\dashv$		<del></del>	
	1		-	1	-		$\vdash$		-		-			<del> </del>	+		-	
	+		_	├		├—	-	-		-	+			-				
Examiner Initial	1	Doc	ume	ument Number				<u> </u>	7	Country	C	lass	Subclass	lass		Translation Yes/No		
									$\top$									
															-			
•		·											<u> </u>	<u>-</u>				
		OT	HEI	R DO	CU	ME	NTS (	Incl	udir	g Author	, Ti	tle, Dat	e, Pertine	nt Page	es, E	tc.)		
																<u> </u>		
																. ,		
														_				
Examiner											-	D	ate Consid	lered				

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of the form with next communication to applicant.